

BEAUTY in PLYWOOD...



CANADIAN BIRCH



# Canadian BIRCH - The Aristocrat of Canadian Woods

Wood is a part of our heritage — it is warm and friendly. It has a charm uniquely its own. Its subtle variation of pattern and colour, never duplicated in exact detail, gives it an individuality which makes it an excitingly decorative yet extremely practical material. These are some of the many reasons why Canadian Birch is so highly prized.

Surprising as it may seem, the use of wood in sheets — better known as plywood — is not new. It was used over 3000 years ago. As a result of modern engineering advances in plywood manufacture, it has been possible to produce plywood panels at a fraction of the cost of a comparable quality of solid panelling, and with the added advantages of lightness, dimensional stability and strength. It is therefore now possible for the manufacturer to offer Canadian Birch Plywood at attractive prices.

Permanent beauty is the prime requirement for decorative planning today. Whatever the specific requirement, be it for functional dignity to lend distinctiveness to a business or institutional building, or graceful styling for the glamourizing of homes, Canadian Birch Plywood can be counted upon to add the desired touch of elegance throughout a wide range of applications: furniture, panelling, doors, room dividers, etc.





## Canadian BIRCH Plywood and some of its applications

Modern Board Rooms and Offices, Churches and Schools, Rumpus or Family Rooms, Restaurants — are ideally suited to Canadian Birch Plywood panelling because its satin smoothness and wear resistance combine to give a feeling of richness with a guarantee of lasting satisfaction.

**Reception Hallways and Corridors** — where wear and smooth finish are important.

**Mobile Homes or Caravans** — where Canadian Birch Plywood is ideally suited for walls, partitions, and the many built-ins required for comfortable trailer living.

**Kitchens** — Due to its easy response to wood working tools and its superlative finishing qualities, Canadian Birch Plywood

answers the requirements of the professional craftsman as well as the home worker.

**Doors** — For a most attractive, luxurious complement to Canadian Birch Plywood panelling it is desirable to match it with Canadian Birch Plywood Doors, available in all standard sizes.

**Do-It-Yourselfers** — Canadian Birch Plywood's pleasing overall grain pattern, beautiful colouring, easy workability, rugged wear resistance, and unmatched finishing qualities are the delight of all do-it-yourselfers. Wall panelling in many beautiful patterns, furniture, book-shelves, room dividers, kitchen cabinets, wall cabinets, built-ins, store fixtures are easy to make, easy to clean and long lasting.



# Canadian BIRCH Plywood - Its Properties and Advantages

## Canadian Birch Plywood is Exceptionally Strong.

Because of the inherent strength of Birch combined with cross laminated construction, Birch Plywood has two-way strength, and pound for pound is stronger than steel. Because of its resistance to splitting and ability to distribute load, plywood usually can do the work of boards more than twice as thick.

## Canadian Birch Plywood Can Be Bent

Although Birch Plywood is normally produced as a flat panel, it can be bent within limits, to meet most design requirements calling for rounded or curved plywood adaptations.

Extreme bending can be accomplished by soaking or steaming Birch Plywood where waterproof glues have been used in its manufacture.

## Canadian Birch Plywood's Resistance to Splitting

Because of its cross-ply construction, Birch Plywood makes possible the use of nails, screws, or other fastening devices on the edges of panels without danger of splitting.

## Canadian Birch Plywood is Stable

The method of manufacture of Birch Plywood which involves alternating the grain direction of adjacent plies, gives great dimensional stability to the panels. Birch Plywood can thus be cut to very close tolerances with the certainty that there will be little or no change in the dimensions of the in-place panel.

## Canadian Birch Plywood Resists Impact

Birch Plywood is ideally suited for panelling and other similar uses where resistance to indentation is important. Sufficiently rigid to withstand distortion, yet flexible enough to prevent shattering under the impact effect of blows, Birch Plywood is the ideal material for appearance and durability.

## Canadian Birch Plywood is Available Prefinished

Due to recent technical advances, Birch Plywood wall panels can now be purchased with a beautiful factory finish, the added cost of which is much less than finishing on the job site.

## Canadian Birch Plywood is Available in Convenient Sizes and Thicknesses

Birch Plywood is manufactured in a range of standard sizes, most popular of which are 48" x 96" and 48" x 84". Non-standard sizes are also available on request. Standard thicknesses and core constructions are as follows:

1/8" thickness	3 Ply	Veneer Core
3/16"	3 Ply	" "
1/4"	3 Ply	" "
3/8"	5 Ply	" "
1/2"	5 Ply	" "
5/8"	5 & 7 Ply	" "
3/4"	7 & 9 Ply	" "
3/4"	5 Ply	Lumber Core
3/4"	3 & 5 Ply	Particle Board Core

Unless specified otherwise, all Canadian Birch Plywood panels are supplied with a beautifully smooth factory sanded finish.

## Canadian Birch Plywood Grades

Canadian Birch Plywood is offered in a range of grades to meet every conceivable requirement, from the choicest matched faces to economical utility grades. Similarly, glue types are available to meet all end use requirements:—

**Exterior Type:** Designed to withstand the severe moisture conditions.

**Interior Type:** Designed to give lasting service under normal interior climatic conditions.

**Dry Bond Type:** For use under continuously dry conditions.

Canadian Birch Plywood Panels are manufactured to specifications of the Canadian Standards Association—C.S.A. 0115/59.

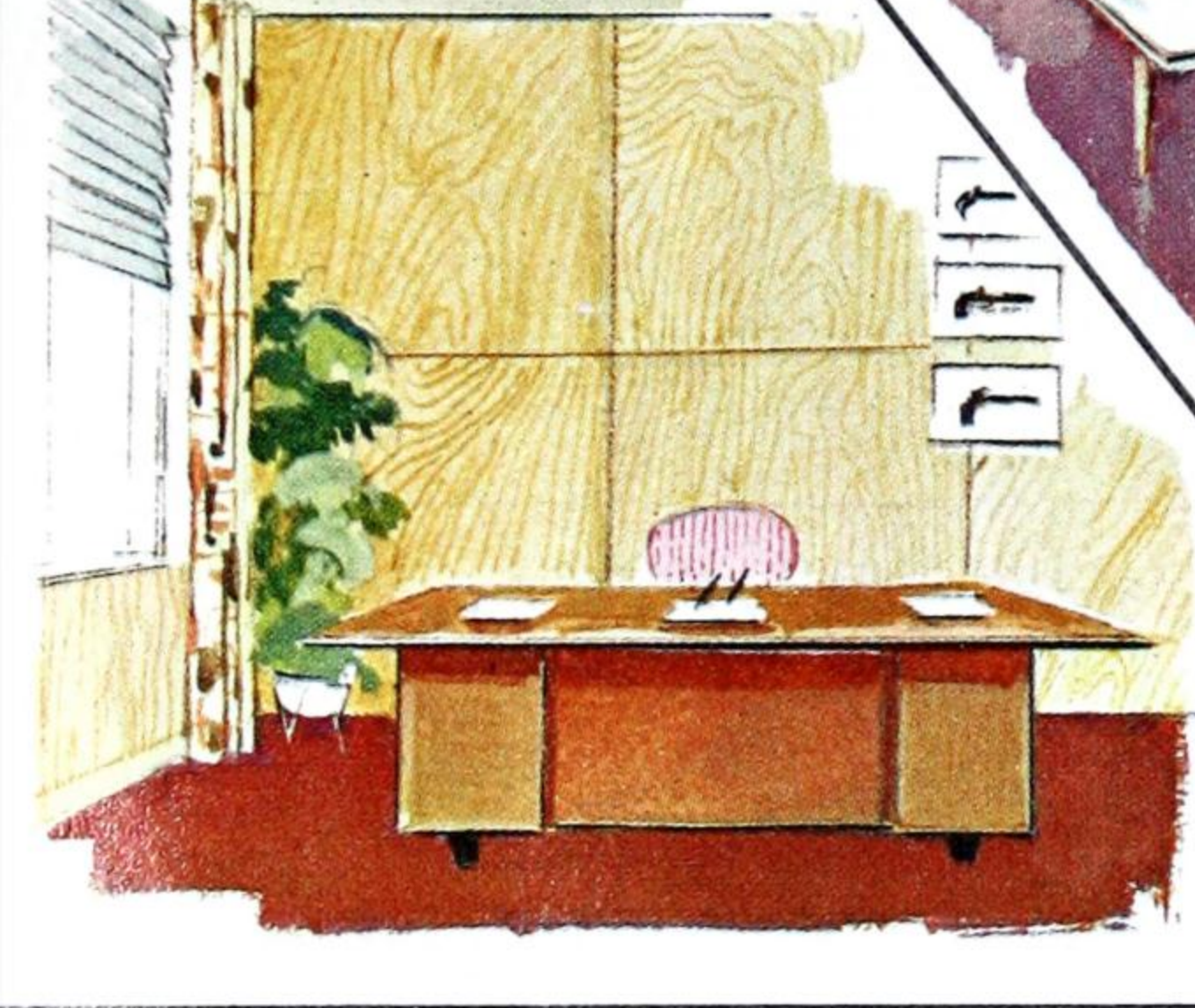
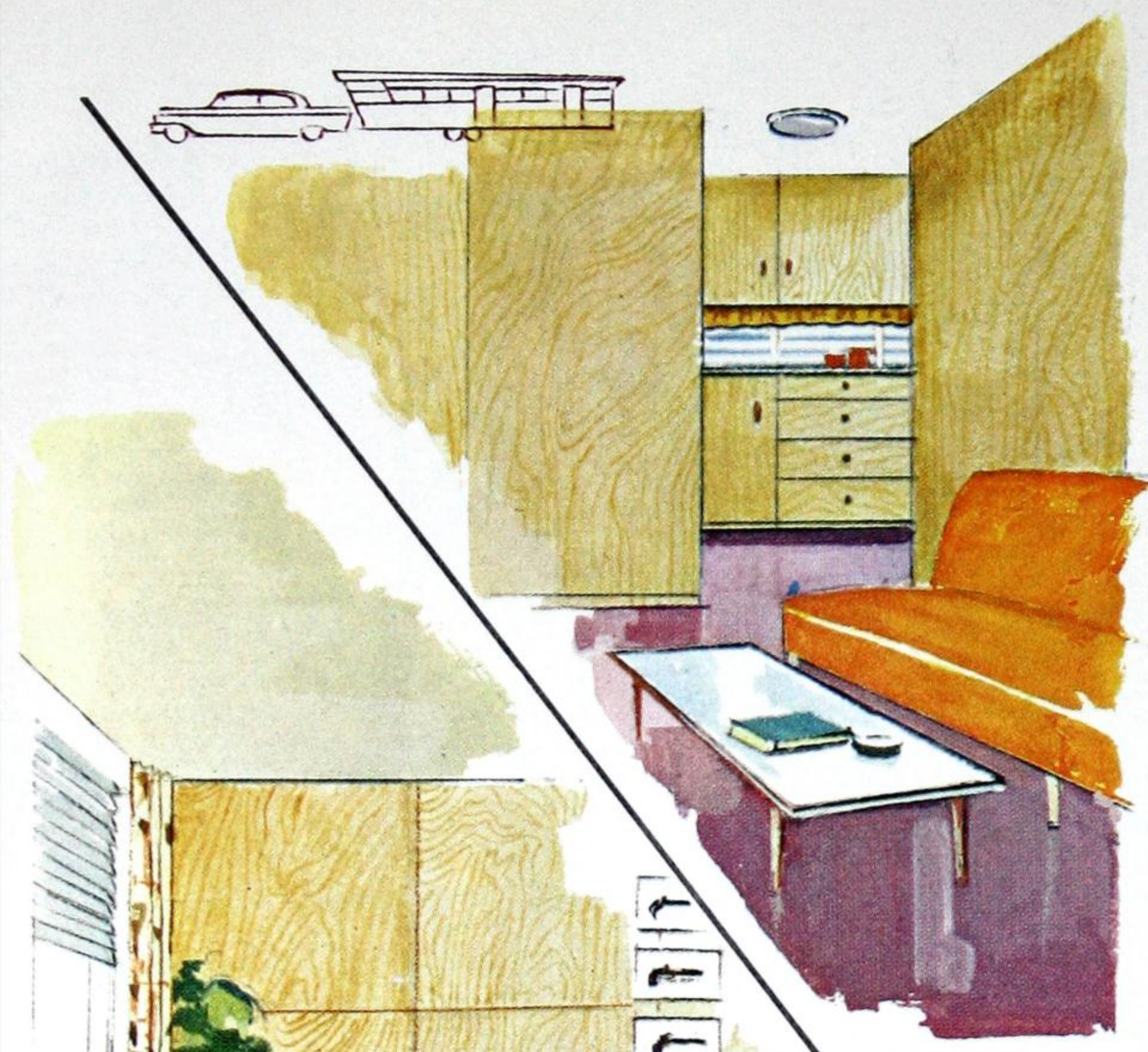




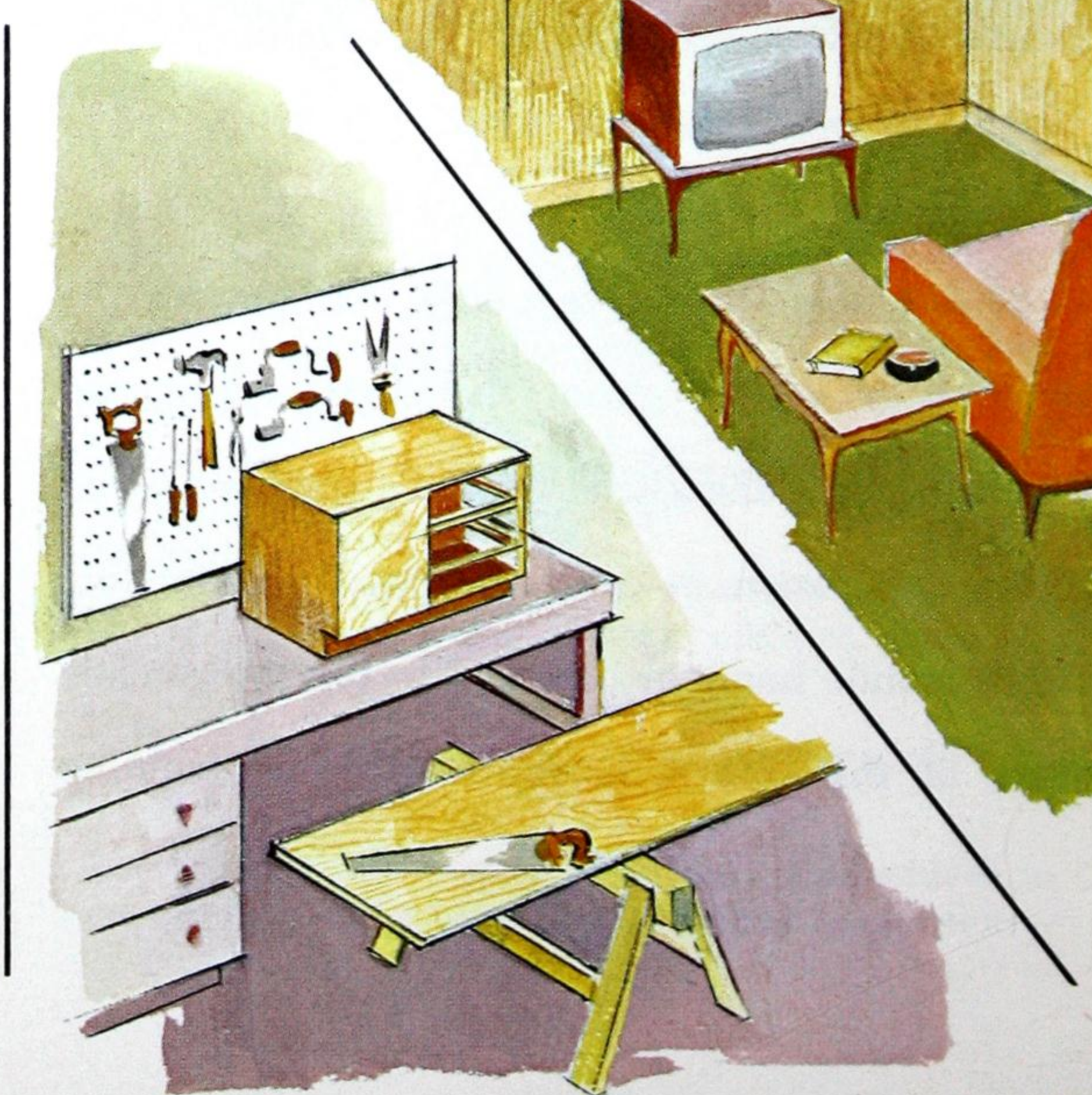
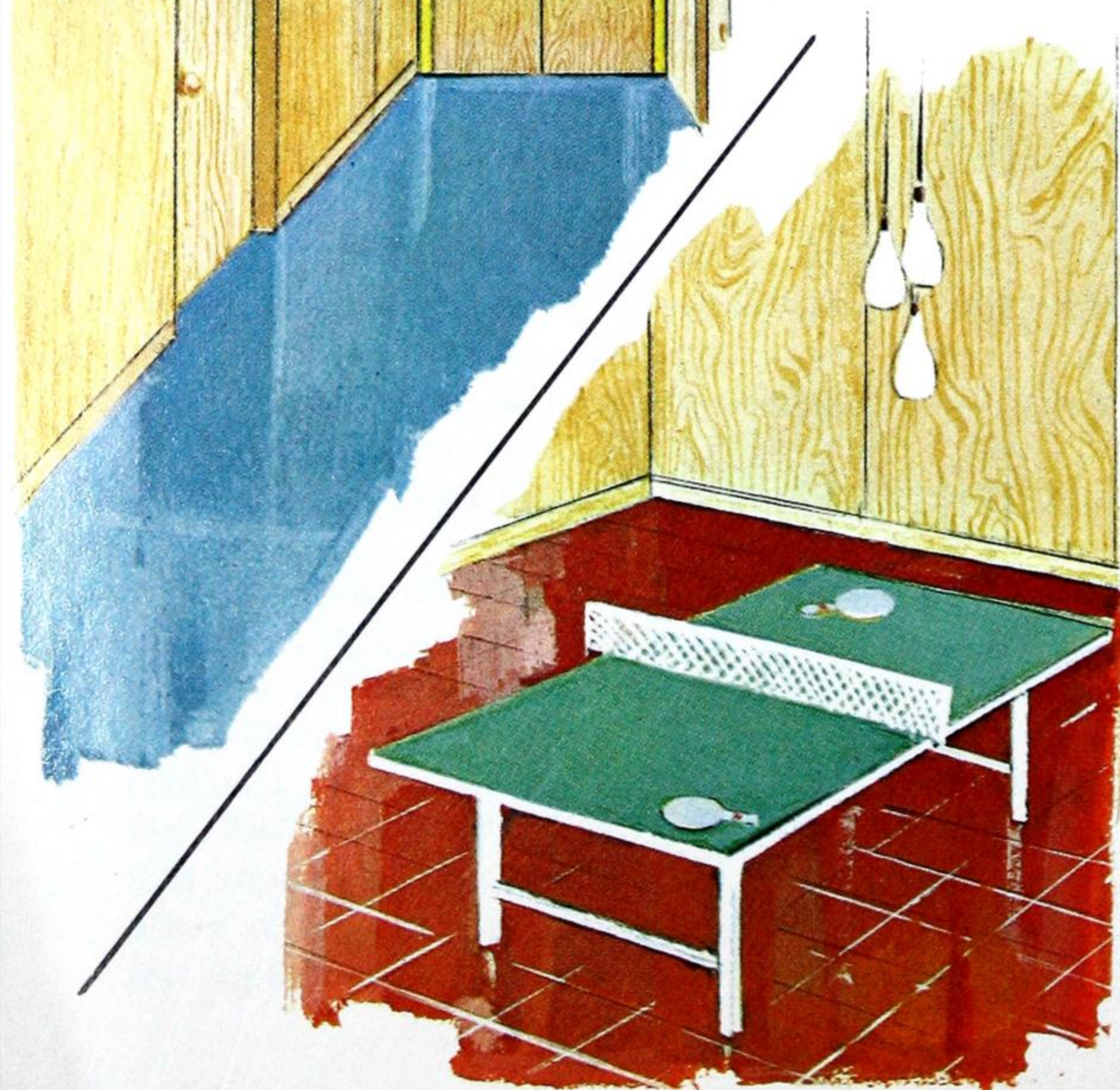
From the impressive public building to the small, cosy den — from the smart, utilitarian cabinet work in the kitchen to the attractive styling of the living room — from the practical panelling of the mobile home or caravan, to the modernistic decor of the chic restaurant — all are shining

examples of the adaptability of Canadian Birch Plywood to modern design. Its deep graining adds dignity and charm to any application; its smooth, velvety surface, when left in its natural finish, makes it desirable for use by architects, designers, and interior decorators.





CANADIAN BIRCH  
*Plywood*  
and  
some of its  
applications





# Preserving the Beauty of BIRCH

## FINISHING

The finishing of plywood is a vast subject because of the great variety of finishing products available today. It is, therefore, not possible to deal adequately with all of these products in this brochure. This section deals briefly with the preparation of the plywood for finishing, including sanding and natural finishes.

The choosing of an appropriate finish will depend on the use involved. The finishing materials manufacturers know best how their products should be applied and their instructions should be carefully followed.

## PREPARATION OF THE SURFACE

One of the most important steps in wood finishing is the preparation of the surface. Its importance cannot be over-emphasized for the ultimate good results of the work depend upon the care and exactness exercised in getting the wood surface ready. It is easier to correct any defect no matter how trivial while the wood surface is in the raw state than to attempt to repair the same defect when the surface has been finished or is in the process of being finished. Although Birch Plywood should reach the consumer with a beautiful factory sanded surface, examine carefully each part of the work for possible scratches before the finishing process is started, looking at each section of the surface from every angle and with ample light.

## SANDING

Since finishing tends to accent imperfections rather than hide them, panels should be sanded carefully with a fine flint or garnet paper (4/0 or finer), always in the direction of the grain. After sanding, and to obtain a completely dust-free surface, a tack rag\* is almost essential.

## NATURAL FINISH

All liquid finishing materials such as varnish, lacquer, shellac, etc. darken woods by several shades. If a "natural" finish is desired, then the stain must be of a light color to compensate for this darkening. A simple procedure for obtaining a "natural" finish on Birch would be to use a white pigmented oil stain which can be applied liberally with a brush or a cloth, the surplus stain being wiped off after a short interval. The white stain can be varied to suit personal tastes by adding oil coloring to produce desired shades such as rose, turquoise, grey, etc. Care should be exercised to avoid making these shades too strong. Pigmented oil stains are slow drying (thus making them easy to use) and ample time for drying is necessary. A sealer coat of shellac reduced 25% with denatured alcohol should follow the staining, after which successive coats of varnish, lacquer or shellac can be applied in accordance with the quality and durability of the finish desired. As mentioned above, the manufacturers' application instructions should be followed closely.

*\*To make a tack rag, soak clean cotton cloth in warm water, wring and sprinkle with turpentine. Then pour two teaspoons of varnish on cloth. Twist or work with the hands until nearly dry.*







Canadian Birch Plywood has an ease of working matched by few other species. In its natural colour, Birch offers unsurpassed charm. Its even subtly varied grain pattern unfolds an exciting depth and beauty which captures the eye.

Its uniform texture takes finishes smoothly and evenly. Its excellent working qualities and unusual wear resistance make Canadian Birch Plywood an unexcelled material for both professional and amateur craftsmen.

CANADIAN BIRCH PLYWOOD . . . *the wood with functional beauty.*

**CANADIAN HARDWOOD VENEER & PLYWOOD BUREAU**

of the

**CANADIAN LUMBERMEN'S ASSOCIATION**

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